

105.02 PLANS AND SHOP DRAWINGS

Plans will show details of all structures, lines, grades, typical cross sections of the roadway, location and design of all structures and a summary of items appearing on the Proposal. Bridge plans will either show all dimensions and details necessary for complete construction or such information that when supplemented by additional field data gathered by the Contractor will enable the Contractor to prepare complete shop drawings.

The Contractor shall keep one set of plans and approved shop drawings available at the site at all times.

All shop drawings will be submitted in a timely fashion such that the Contractor's approved schedule will not be adversely impacted by the submittal process. Shop drawings shall consist of such detailed plans required to control the work that are not included in the plans furnished by the Department. They shall include but not be limited to stress sheets, erection plans, falsework plans, sheeting plans, cofferdam plans, bending diagrams for reinforcing steel or any other supplementary plans or similar data required of the Contractor. The Contractor shall submit seven (7) sets of shop drawings to the Engineer. Shop drawings shall be accompanied by three (3) sets of design computations, cuts from a manufacturer's catalog, and/or supporting technical bulletins.

Shop drawings and computations designs shall be stamped **only** by a Rhode Island registered Professional Engineer.

Within forty-five (45) calendar days of submission, all shop drawings shall be reviewed by the Engineer and returned to the Contractor for appropriate action. Shop drawings that are found to be erroneous, lacking information necessary to control construction, or not in conformance with accepted design criteria will be disapproved and returned to the Contractor. The Contractor shall address the Engineer's comments and resubmit revised shop drawings and/or design computations. The Contractor will not be allowed any increase in contract time for the time taken by the Contractor to submit revised shop drawings caused by an erroneous submission, or by a previous submission either lacking the information necessary to control construction, or not conforming to accepted design criteria. Also, the time taken by the Engineer to review the revised shop drawings does not constitute justification for additional contract time.

Shop drawings must be approved by the Engineer prior to performance of the work involved. Such approval shall not relieve the Contractor of any responsibility under the contract for the successful completion of the work.

Unless otherwise specified in the contract documents, the contract price will include the cost of furnishing all shop drawings.